

What is claimed is:

1. A system for automatically initializing and diagnosing backplanes of electronic devices, the system comprising:
  - a monitor comprising:
    - a command editor for receiving diagnosis commands inputted by users;
    - a command translator connected with the command editor for compiling the diagnosis commands into binary commands;
    - a processing unit connected with the command translator for running diagnosis programs; and
    - a display unit connected with the command editor for displaying information; and
  - a driver connected with the monitor, the driver comprising:
    - an initialization module for initializing the backplane; and
    - a diagnosis module connected with the processing unit and the display unit for providing diagnosis programs.
2. The system as claimed in claim 1, wherein the monitor further comprises a command and help list connected with the command editor and the display unit for defining formats and contents of the diagnosis commands.
3. The system as claimed in claim 1, wherein the processing unit runs corresponding diagnosis programs according to the binary commands transmitted by the command translator.
4. The system as claimed in claim 1, wherein the diagnosis programs are stored in the diagnosis module of the driver.

5. The system as claimed in claim 1, wherein the display unit is a monochrome liquid crystal display.

6. The system as claimed in claim 1, wherein the display unit is a multicolor liquid crystal display.

7. The system as claimed in claim 1, wherein the initialization module comprises:

    a basic initialization sub-module for initializing one or more chips of the backplane; and

    an advanced initialization sub-module for initializing hardware of the backplane.

8. The system as claimed in claim 7, wherein the advanced initialization sub-module is for performing a boot initialization and test on the backplane.

9. The system as claimed in claim 1, wherein the diagnosis module provides corresponding diagnosis programs for different chips and hardware of the backplane.

10. A method for automatically initializing and diagnosing a backplane of an electronic device, the method comprising the following steps:

    (a) initializing the backplane;

    (b) compiling a diagnosis command into a binary command, and transmitting the binary command to a processing unit; and

    (c) running a corresponding diagnosis program to diagnose the backplane according to the binary command.

11. The method as claimed in claim 10, further comprising the following step after step (a): receiving a diagnosis command inputted by a user.

12. The method as claimed in claim 10, further comprising the following step after step (c): returning diagnosis result to a display unit.

13. The method as claimed in claim 10, wherein step (a) comprises the following steps:

- (a1) performing a basic initialization on the backplane;
- (a2) performing a boot initialization and test on the backplane; and
- (a3) performing an advanced initialization on the backplane.

14. The method as claimed in claim 13, wherein step (a1) comprises the step of initializing one or more chips of the backplane.

15. The method as claimed in claim 13, wherein step (a3) comprises the step of initializing hardware of the backplane.

16. A system for automatically initializing and diagnosing backplanes of electronic devices, the system comprising:

a monitor comprising:

- a processing unit for running diagnosis programs; and
- a display unit for displaying information; and

a driver connected with the monitor, the driver comprising:

- an initialization module for initializing the backplane; and
- a diagnosis module connected with the processing unit and the display unit for providing diagnosis programs; wherein

said backplanes have not been initialized before the system is run.